

## ARROWMAX SDS MINI 22

# ARROWMAX Mini Electric Drill SDS MINI 22 User Manual

Model: SDS MINI 22

## 1. INTRODUCTION

Thank you for choosing the ARROWMAX Mini Electric Drill SDS MINI 22. This compact and powerful cordless drill is designed for precision tasks in various materials, making it ideal for DIY enthusiasts, model builders, and jewelers. This manual provides essential information for safe and efficient operation, maintenance, and troubleshooting.

### Key Features:

- Compact and powerful with a 500 mAh LiPo battery and 600 RPM rotation speed.
- Ergonomic aluminum alloy body for comfortable single-hand operation.
- Includes 10 precision HSS drill bits (0.6mm to 2.2mm) for diverse materials.
- Equipped with 4 shadowless LED lights for optimal visibility and LED battery indicators.
- Simple one-button operation for clockwise, counter-clockwise rotation, and power off.
- Durable aluminum CNC storage case for drill bits.

## 2. SAFETY INSTRUCTIONS

Please read all safety warnings and instructions carefully before using this product to prevent electric shock, fire, and serious injury.

### General Safety

- Always wear appropriate personal protective equipment, including safety glasses, when operating the drill.
- Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.

### Electrical Safety

- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Use only the specified charging cable and power adapter.

### **Personal Safety**

- Stay alert, watch what you are doing, and use common sense when operating a power tool.
- Do not overreach. Keep proper footing and balance at all times.
- Secure the workpiece. Use clamps or a vise to hold the workpiece.
- Always ensure the drill bit is securely fastened in the chuck before operation.

## **3. PACKAGE CONTENTS**

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 1 x ARROWMAX Mini Electric Drill (SDS MINI 22)
- 10 x HSS Drill Bits (0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.4mm, 1.5mm, 1.6mm, 1.8mm, 2.0mm, 2.2mm)
- 1 x Aluminum Drill Bit Storage Case
- 1 x USB Charging Cable (Type-C)
- 1 x User Manual

# SDS MINI 22 INCLUDED ITEMS



Figure 3.1: Complete package contents of the SDS MINI 22.

# 10 DRILL BITS



Figure 3.2: The 10 HSS drill bits included with the SDS MINI 22.

## 4. PRODUCT OVERVIEW

Familiarize yourself with the components of your ARROWMAX Mini Electric Drill.



Figure 4.1: Labeled components of the SDS MINI 22.

- **Type-C Charging Port:** For charging the internal battery.
- **Working Status Indicator:** Displays battery status and rotation direction.
- **Power Button:** Controls power on/off and rotation direction.
- **Aluminum Alloy Body:** Provides durability and ergonomic grip.
- **LED Lights:** Illuminates the drilling area for improved visibility.
- **Chuck:** Holds the drill bits securely.

## 5. SETUP

### 5.1 Charging the Device

1. Locate the Type-C charging port on the top of the drill.
2. Connect the provided USB Type-C cable to the drill and the other end to a compatible USB power source (e.g., computer, wall adapter).
3. The Working Status Indicator LEDs will illuminate to show the charging progress. A full charge is indicated when all LEDs are solid.
4. Allow approximately 60 minutes for a full charge.

## 5.2 Installing Drill Bits

1. Ensure the drill is powered off before installing or removing bits.
2. Gently pull the chuck downwards to open the jaws.
3. Insert the desired drill bit into the chuck. Ensure the bit is inserted as far as it can go for maximum stability.
4. Release the chuck to secure the drill bit. The chuck is designed for tool-free bit changes.
5. To remove a bit, pull the chuck downwards and extract the bit.

## 6. OPERATING INSTRUCTIONS

### 6.1 Power On/Off and Rotation Control

The SDS MINI 22 features a simple one-button control:

- **First Press:** The drill will power on and rotate in a clockwise direction. The LED indicator will show the direction.
- **Second Press:** The drill will switch to counter-clockwise rotation. The LED indicator will update to show the new direction.
- **Third Press:** The drill will power off.

You do not need to continuously hold the button during operation.

### 6.2 Battery Indicator

The LED indicators on the drill body display the remaining battery power. Monitor these lights to know when recharging is necessary.

### 6.3 Working with Materials

The SDS MINI 22 is suitable for drilling various materials, including:

- Plastic
- Shells
- Wood
- Leather
- Soft metals (e.g., aluminum)

Always select the appropriate drill bit size for your task and material. Apply gentle, consistent pressure. Avoid excessive force, which can damage the bit or the material.



# CUSTOMISE YOUR ITEM



Figure 6.1: Examples of materials suitable for drilling with the SDS MINI 22.

## 7. MAINTENANCE

### 7.1 Cleaning

- Ensure the drill is powered off and disconnected from any charging source before cleaning.
- Wipe the drill body with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Remove any dust or debris from the chuck and ventilation openings using a soft brush or compressed air.

### 7.2 Storage

- Store the drill and its accessories in a cool, dry place, away from direct sunlight and moisture.
- Always store the drill bits in their provided aluminum case to protect them from damage and loss.
- For long-term storage, ensure the battery is partially charged (around 50%) to prolong its lifespan. Recharge every 3-6 months if not in use.

## 8. TROUBLESHOOTING

If you encounter issues with your ARROWMAX Mini Electric Drill, refer to the following common problems

and solutions:

- Problem: The drill does not turn on.**

**Solution:** Check the battery level. If the battery is low or depleted, connect the drill to a power source using the USB-C cable and charge it fully. Ensure the power button is pressed correctly (first press for clockwise, second for counter-clockwise).
- Problem: The drill is not charging.**

**Solution:** Verify that the USB-C cable is securely connected to both the drill and the power source. Try a different USB port or power adapter. Ensure the charging port on the drill is clean and free of debris.
- Problem: The drill bit is loose or falls out.**

**Solution:** Ensure the drill bit is inserted correctly and fully into the chuck. Pull the chuck down, insert the bit, and release it to ensure it clamps securely. If the chuck mechanism appears damaged, discontinue use and contact support.
- Problem: Reduced drilling performance or unusual noise.**

**Solution:** Check if the drill bit is dull or damaged; replace it if necessary. Ensure you are using the correct bit for the material. If the issue persists, contact customer support.

9. SPECIFICATIONS

Feature	Specification
Model	SDS MINI 22
Brand	ARROWMAX
Manufacturer	Freemax Technology Company Limited (IMPORT)
Product Dimensions (L x W x H)	18.5 x 7 x 3 cm
Weight	280 grams
Power Source	Battery Powered
Battery Type	Lithium-polymer
Battery Capacity	500 mAh
Voltage	5 Volts
Amperage	2 A
Maximum Rotation Speed	600 RPM
Special Features	Compact, LED Lights, Battery Indicator
Color	Black
Included Components	1 Electric Pen, 10 Drill Bits, 1 Manual, 1 USB Charging Cable

10. WARRANTY AND SUPPORT

Specific warranty information for the ARROWMAX Mini Electric Drill SDS MINI 22 is not provided in the product details. For warranty claims, technical support, or inquiries regarding spare parts, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.



